

Mehrdad Faraji

PhD student

EDUCATION BACKGROUND

2017 - 2020 MASTERS IN MATERIALS ENGINEERING

At: Iran University of science and technology

Thesis: The Effects of thermomechanical treatment on the improvement of mechanical properties, microstructure and corrosion behavior of Al5083 alloy

2013 - 2017 BACHELOR IN MATERIALS ENGINEERING

At: Hamedan University of Technology Thesis: Investigation of anti-wear composites containing Chromium carbides

WORK EXPERIENCE

2020 - 2022Research AssistantHamedan University of Technology

2022 - 2023Materials EngineerR&D section of ARAD Company



PROJECTS

• Investigation the effects of thermomechanical treatment on the microstructure and

mechanical properties of AA5083 sheet (Master thesis)

• Investigation	n of 1	JMEPEG https://doi.org/10.1007/s11665-022-07273-7	©A§ It	SM International 059-9495/\$19.00 Check for updates	omposites
hard-faced us	ing Si	The Effects of Cold Rollin on the Improvement of	ng and Stabilization Microstructure. Med	Treatment chanical	
• Electrochemi	ical st	Properties,	io-Corrosion (2022) 8:117 7/s40735-022-00716-7		Check
• Production	1 1	Materials Chemistry and Physics 313 (202	4) 128755	Fffects of TiB ₂ and S	SiC 5 M H SO
by HF electro	ELSEVIE	Contents lists available at Sciencel Materials Chemistry and R journal homepage: www.elsevier.com/loce	Direct I Physics referentiate a second secon	^v ezzato ³ · Irene Calliari ³ · F	lossein Eskandari ²
MEPEG tps://doi.org/10.1007/s11665-023-07807-7	Simultar	neous improvement of mechanical strength a	nd corrosion resistance		
ECHNICAL ARTICLE	in aluminum alloy 5083 via severe plastic deformation				
Investigation of Saeid Karimi ^{3,*} , Naeimeh Fakhar ^{b,**} , Mehrdad Faraji ^C , Faramarz Fereshteh-Saniee ^d			Fereshteh-Saniee ^d		
Behaviors of Com 'Department of Metallary and Materials Engineering Instruction Engineering of Technology, 65155-579, Hanadan, Iran 'Addual of Headman Difference, Iran Differ			3, Iran ran, Iran		
Mehrdad Faraji, Saeid Karimi 📀, Mojtaba Esmailzadeh, and Luca Pezzato				28	

Submitted: 14 May 2022 / Revised: 16 November 2022 / Accepted: 20 December 2022

Production and characterization of carbide-derived-nanocarbon structures obtained by HF electrochemical etching of $\rm Ti_3AlC_2$

A. Heidarpour^{*}, M. Faraji, A. Haghighi Department of Metallurgy and Materiali Engineering. Hamedan University of Technology, Hamedan, 65155-579, Ira

PhD PROGRAM



TOPIC: Corrosion of components made by additive manufacturing for extreme applications

CURRICULUM: Meccanica

HOSTING UNIVERSITY/RESEARCH CENTRE: Università degli Studi di Padova / INFN sezione di Padova

SUPERVISOR(S): Irene Calliari, Adriano Pepato

Co-Supervisor: Massimiliano Bonesso

